

10/004807

5

PRECISION POSITIONING UNIT  
AND LINEAR MOVEMENT CONTROL UNIT

10

ABSTRACT OF THE DISCLOSURE

15 A precision positioning unit composed of a table on  
which an article is to be placed, a linearly movable rod  
which is connected with the table at one end and further —  
connected with a rod actuating device at another end, in  
which the rod actuating device is capable of linearly  
moving the rod forward and backward, has the following  
20 characteristics:

the rod is connected with the actuating device via  
cushion mechanism; and

25 by the side of the rod is placed a rod movement con-  
trol device composed of an elastic member, a ultrasonic  
transducer, and a ultrasonic emitting surface, in which  
the elastic member is constituted to push the ultrasonic  
emitting surface to a side surface of the rod when the  
transducer is inactive, and the transducer functioning to  
draw the ultrasonic emitting surface away from the rod  
30 when it is active.

10004807-120701